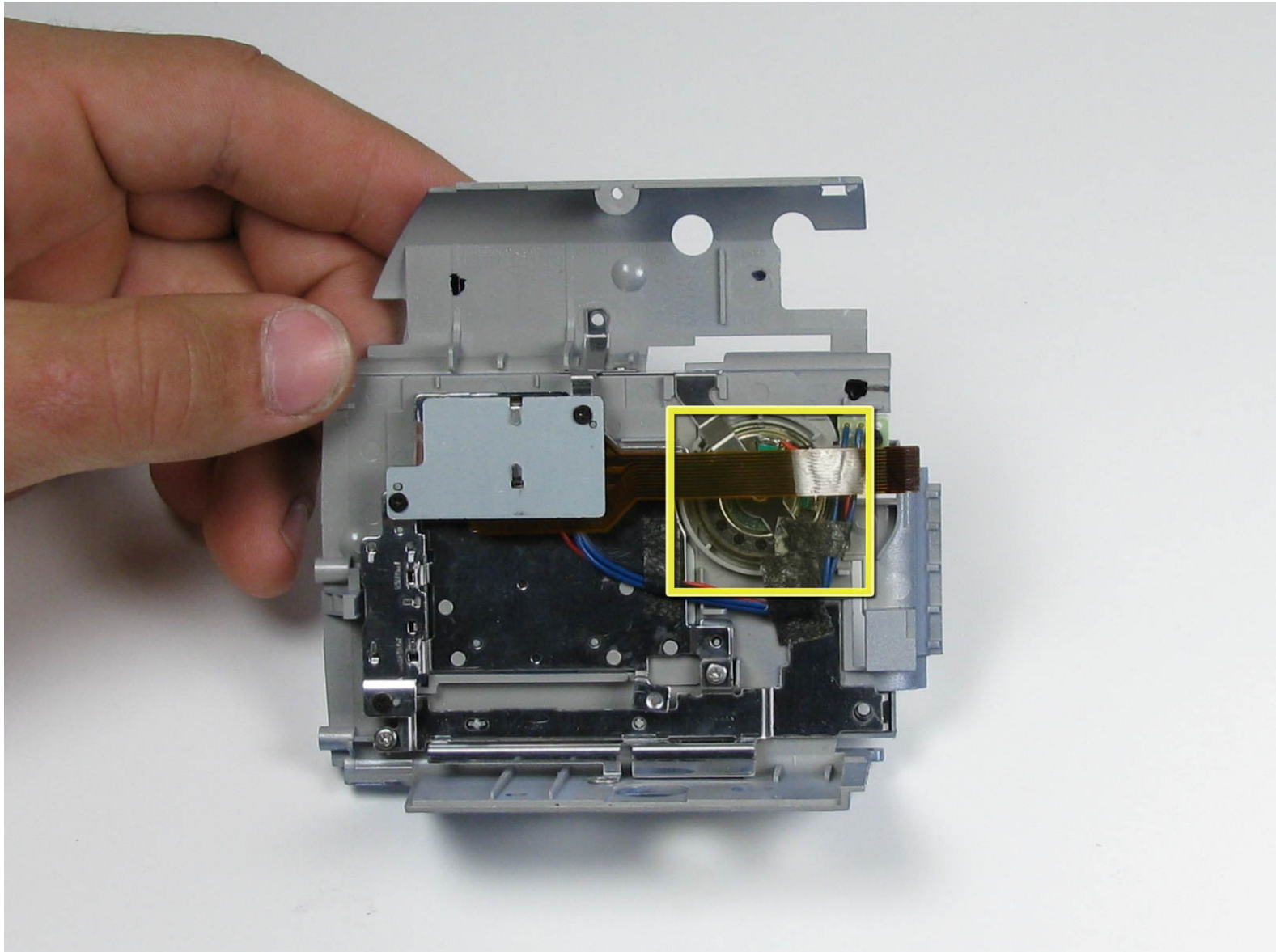




# Panasonic PV-GS9 Speaker Replacement

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## INTRODUCTION

A guide to find and replace the camcorder's speaker.

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### **TOOLS:**

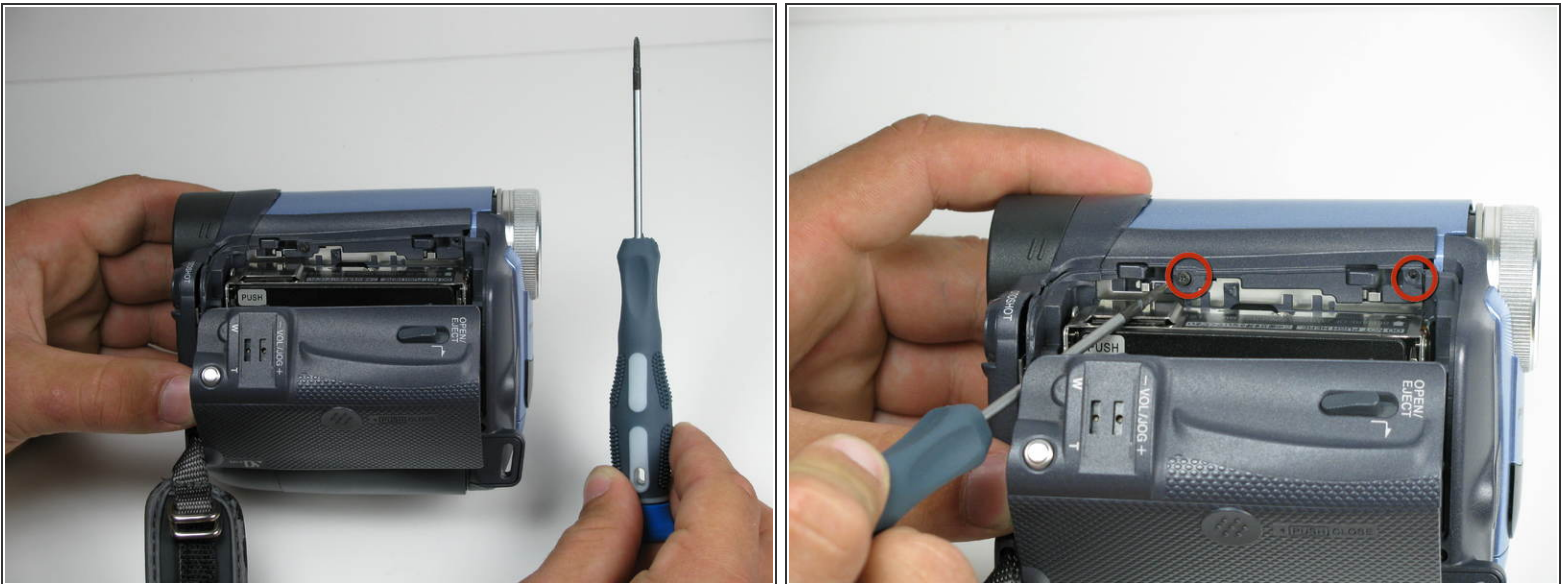
- [Phillips #00 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Outer Casing



- Using a plastic opening tool, remove the record/playback and record/power control knobs from the camcorder.

## Step 2



- Open the tape compartment.
- Using a #00 Phillips head screwdriver, remove the two 4.5mm screws from the camcorder.

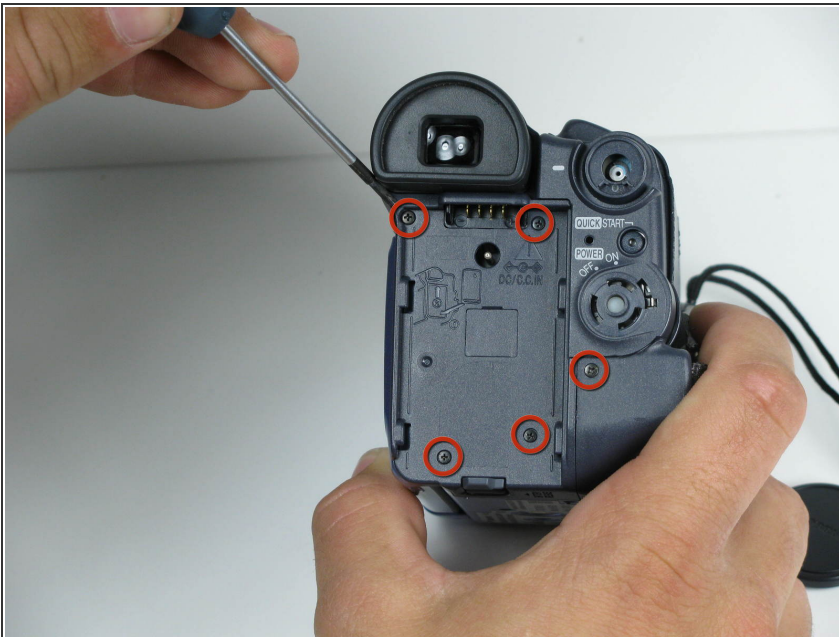
### Step 3



- Use a plastic opening tool to remove the gray trim piece from top of the camcorder.

⚠ Take care when removing the trim piece. The plastic parts are fragile and can break easily.

### Step 4



- Rotate the camcorder so that the eye piece is facing you, and remove the battery. Remove the four black 4.5mm screws, which sit behind the battery. Then, remove the 5th screw to the right of the battery dock.

⚠ Be careful not to lose any screws whilst trying to remove them.



## Step 5



- Rotate the camcorder so that the tape compartment is facing you. Remove the single 4.5mm black screw, which is above the hook for the hand strap.
- It may help you during this step to undo the strap on one end.
- Next, rotate the camcorder so that the lens is facing you. Remove the single 4.5mm black screw from the front panel.

## Step 6



- Rotate the camcorder so that the bottom is facing towards you. Remove the single remaining 4.5mm black screw from the bottom.
- Next, while still having the bottom of the camcorder facing you, remove the four silver 4.5mm screws from the body.

## Step 7




- Open the LCD screen on the side of the camcorder.
- Using a #00 screwdriver, remove the two 4.5mm silver screws located on either side of the hinge of the LCD screen.

## Step 8



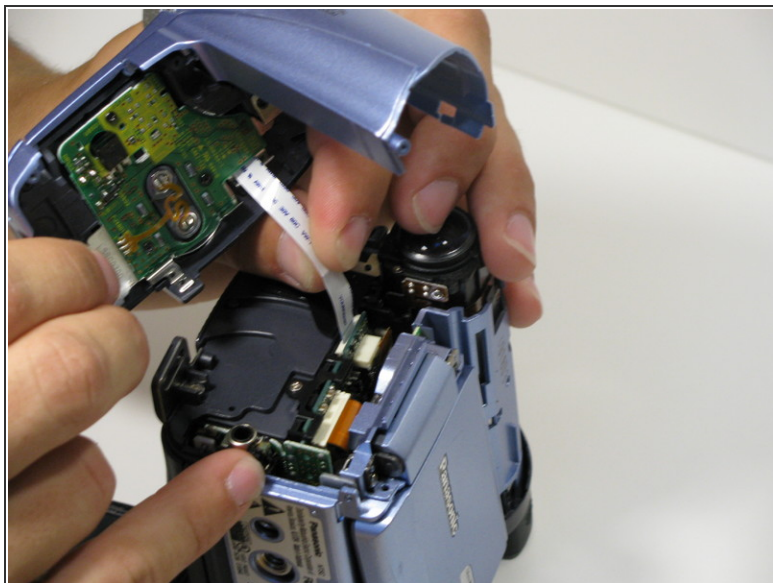
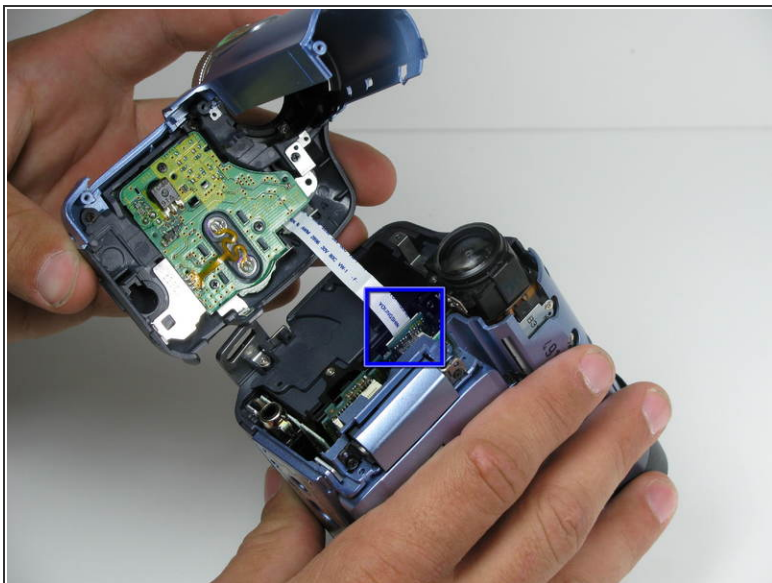
 Very carefully remove the front cover from the main body of the camcorder.

- This should come apart with relative ease, however a plastic opening tool may help you remove this panel a little more easily.

 There is a ribbon cable attached to the front panel and the camcorder body, so be careful not to pull that off when you remove this panel.

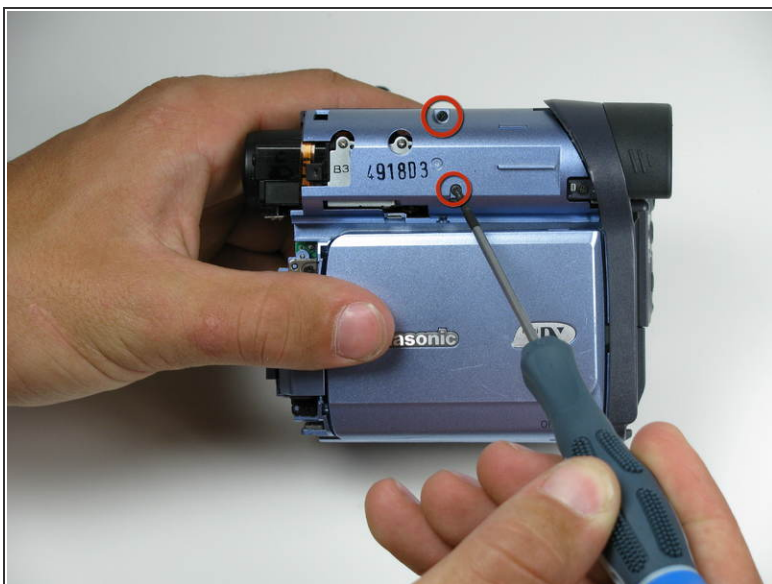


## Step 9



- Using your fingers, carefully pull the ribbon cable away from the logic board.

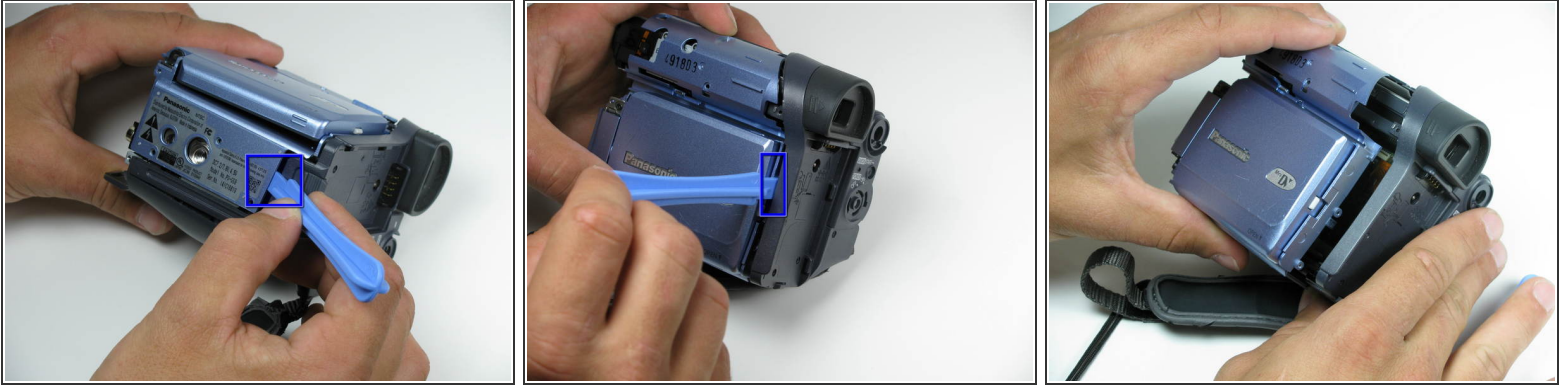
## Step 10 — LCD Panel Removal



- Now, from where the front cover used to be, remove the two 4.5mm black screws from the LCD side of the camera.



## Step 11



- Place a plastic opening tool under the bottom of the blue panel beneath the camcorder. Using two tools may be useful, if difficult.
- Move the plastic opening tool up the side of the camcorder as shown, carefully separating the LCD panel from the rest of the camcorder.
- With the blue LCD panel free from the rest of the camcorder, remove the panel from the camcorder.

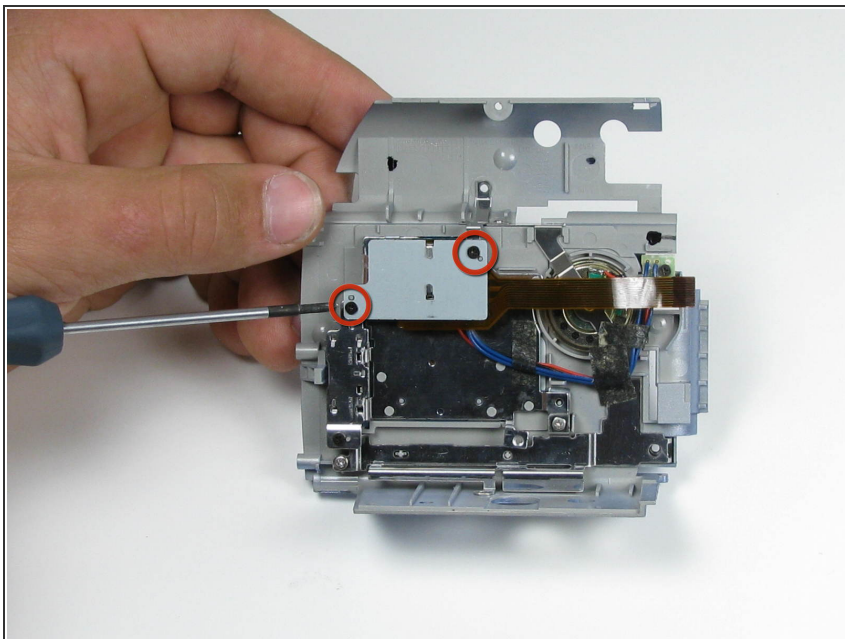
## Step 12



**⚠** Before you fully remove the LCD panel from the camcorder, be sure to remove the ribbon cables that connect the LCD panel to the logic board.

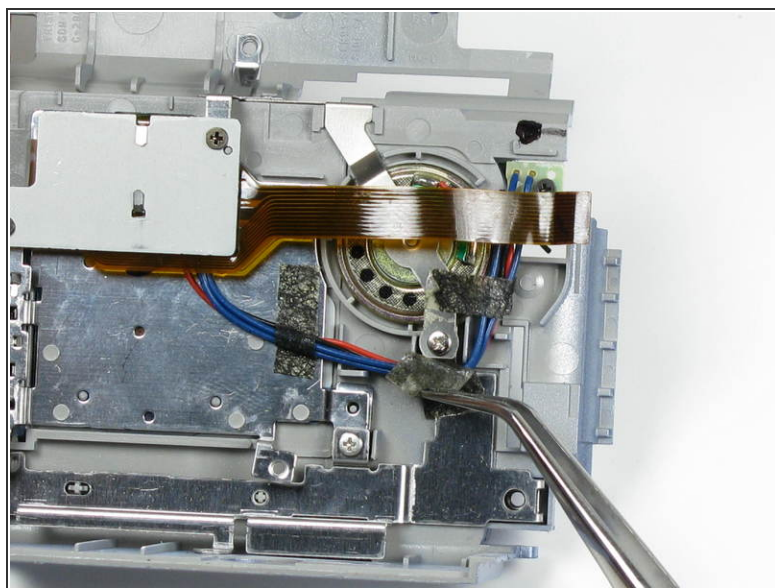
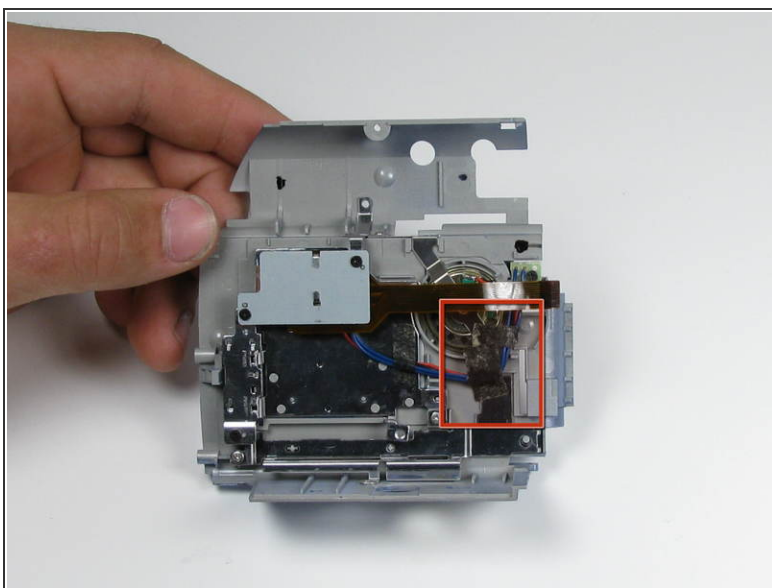
- There may be multiple ribbon cables attached to the same point on the logic board.

## Step 13 — Speaker



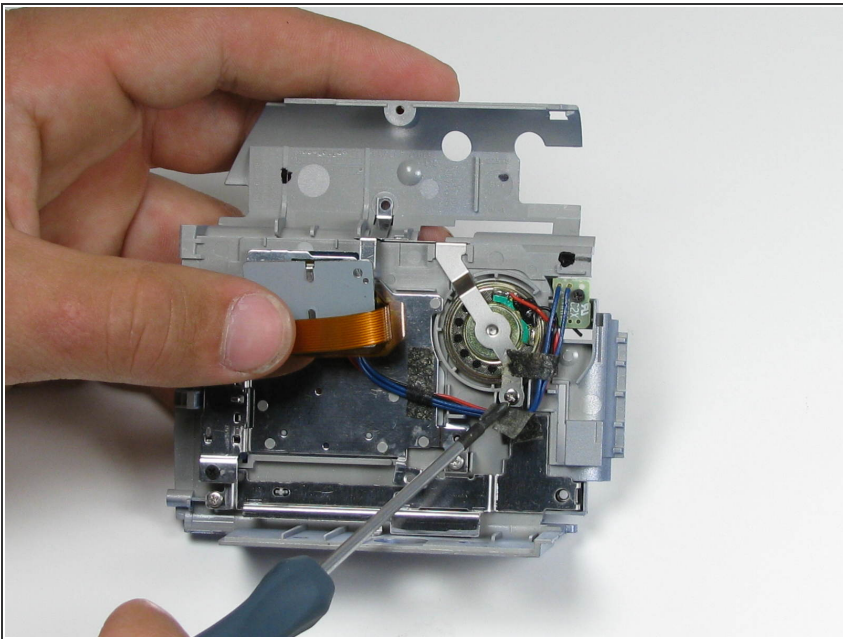
- On the LCD housing plate, remove the two 4.5mm Phillips screws on the ribbon cable plate using a #00 Phillips screwdriver.

## Step 14



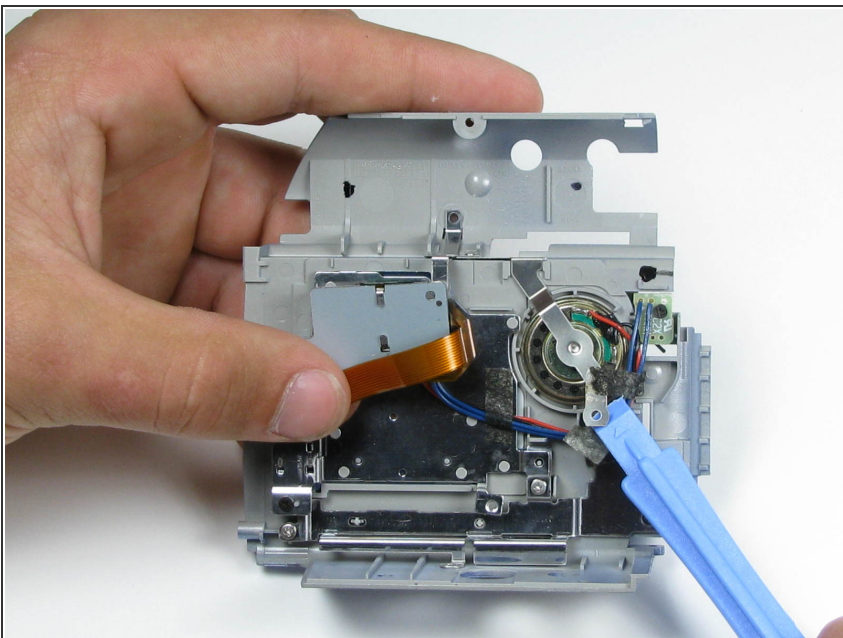
- Using tweezers, remove the black tape that is holding the speaker in place.

## Step 15



- Using #00 philips screwdriver, remove the 4.5mm silver screw on the speaker bracket.

## Step 16



- The speaker is soldered to both ends of the board. Check the connections to see if they are still good. Desolder wires from speaker to replace, if necessary.

To reassemble your device, follow these instructions in reverse order.